

CORRES. CONTROL  
INCOMING LTR NO.

00457 RFQ5

**DUE DATE**

## **ACTION**



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Department of Energy

CORRESPONDENCE  
CONTROL BR

ROCKY FLATS PROJECT OFFICE  
12101 AIRPORT WAY, UNIT A  
BROOMFIELD, COLORADO 80021-2583

SEP 12 2005

05-DOE-00557

[illegible]

**Mr. Carl Spreng**  
**Rocky Flats Cleanup Agreement Project Coordinator**  
**Colorado Department of Public Health and Environment**  
**4300 Cherry Creek Drive South**  
**Denver, Colorado 80246-1530**

**Dear Mr. Spreng:**

Please find enclosed the completed Rocky Flats Cleanup Agreement (RFCA) Type 2 Building 331, Garage Facility, Final Project Closeout Report, DWF-086-05, dated August 2005. This report is submitted in accordance with RFCA for your review and approval.

**Questions can be directed to Rich Schassburger, Rocky Flats Project Office, at (303) 966-4888.**

Sincerely,

**John J. Rampe, Director**  
**RFPO Closure Project Management**

**Enclosure**

cc w/o Encl.:

S. Nesta, K-H, RISS Env.

**J. Heber, K-H RISS D&D**

**K. Wiemelt, K-H RISS D&D**

COR. CONTROL	X	X
ADMIN. RECORD	X	X

**cc w/Encl.:**

**D. Kruchek, CDPHE**

**M. Aguilar, USEPA**

**D. Abelson, RFCLOG**

**K. Korkia, RFCAB**

## Administrative Record

Reviewed for Addressee  
Corres. Control RFP

Date 9/15/05 By OC

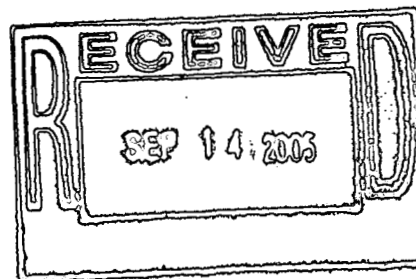
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**DOE ORDER #**

5400.1

IA-A-002721

1/50



## ADMIN RECORD

**Final Project Closeout Report**  
**For**  
**Building 331 (Garage)**

**Revision: 0**

**August 2005**

**Remediation, Industrial D&D, and Site Services**  
**Kaiser Hill Company, LLC**

**Review for Classification**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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1. Maps
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## **I. Introduction**

### **Building 331 Garage Description**

Building 331 (B331) was divided into two separate facilities: the Garage, and The Fire Department. This report will deal solely with demolition of the Garage portion of the structure, however some reference to the Fire Department side is necessary in the facility description.

B331 was a two-story structure built in 1953, and had a total of 23,540 square feet of floor space. Three additions were made to the original structure. In 1960, a 400 square foot addition was added west of Room 114. In 1967, a 400 square foot tool shed was added to the north side of the 1960 addition. In 1968, a 2400 square foot addition was built to provide additional office space and off-shift living quarters for the RFETS Fire Department.

B331's original buildings were constructed of reinforced concrete over a poured concrete floor. The roof was constructed of concrete panels covered with built-up roofing. The 1960 addition was constructed of reinforced concrete, the 1967 addition of corrugated metal on steel forms, and the 1968 addition of cinder blocks.

The garage portion of B331 housed the vehicle maintenance garage. RFETS vehicles and equipment with small engines were maintained in the facility. Occasional spills of gasoline, oil, and antifreeze incident to maintenance operation did occur, but were cleaned up using absorbent, and disposed of as appropriate. Used oils, antifreeze and lead acid batteries were sent off-site for recycle.

Rooms 113, 114, 115, 116, and 117 were used from 1953 to 1968 as a small metallurgical R&D laboratory which handled some depleted uranium material. This laboratory was stripped out and converted to a storage area and a work area for the garage in 1968. An old sanitary drain, which was covered with a steel plate, had the following label: "Radioactive contamination in sanitary drain, 3-21-77", and remained in Room 114 of the garage. B331 had no process waste lines

The following utilities were associated with B331: electrical, plant water, plant sanitary, plant steam, and an overhead fire sprinkler system.

Based on the analysis of radiological, chemical and physical hazards contained in the RLCRs/PDSRs, Building 331 (Garage) was classified as a RFCA Type 2 facility pursuant to the RFETS Decommissioning Program Plan (DPP; K-H, 1999). Classification as a RFCA Type 2 facility was due to the potential contamination in the sanitary drain system.

Closure of the facility was completed in accordance with the Rocky Flats Cleanup Agreement Standard Operating Protocol (RFCA RSOP) for Facility Disposition. Integrated Work Control Program (IWCP) procedures were followed during building decommissioning.

## **II. Action Description**

### **UTILITY DISCONNECT**

Gash Electric performed the electrical isolation of all original feeds to systems and equipment associated with B331. Isolation of electrical power was performed by taking down specific grids by Lock-Out/Tag-

Out, then isolating the main power to the facility by cutting, removing or air-gapping electrical systems in the facility. This "cold and dark" process greatly reduces the potential for electric shock injuries to worker during interior dismantling and asbestos abatement activities. Use of light stands and external generators provided interior lighting for these activities.

Potable water feed to the facility was discontinued, and isolated at six feet below grade. All sanitary fixtures were disconnected, and sewer lines were flushed with a volume of high-pressure water equal to approximately 10 times the volume of the pipe. Sewer lines were then isolated at one manhole exterior to the facility at a minimum depth of four feet.

Steam and condensate lines and natural gas lines were isolated exterior to the facility in 2003.

See Appendix 1 for utility disconnects.

### CONTAMINANTS OF CONCERN

Contaminants included asbestos, PCB bulk-product (paint) waste, and radiological contamination. Characterization was conducted in accordance with the RLCP and PDSP.

### RCRA/TSCA

No RCRA constituents of concern were associated with B331 at the time of demolition. Any RCRA components associated with the building, such as circuit boards, mercury switches or fluorescent bulbs were removed during building strip-out.

Due to the age of the facility, all paint is assumed to be PCB bulk product waste. As the paint remained on the structure, it was disposed of with the demolition debris.

### Beryllium

Based on historical and process knowledge, and personnel interviews, it was concluded that beryllium may have been used or stored in this building. Random and biased beryllium sampling was performed in accordance with the PDSP and the *Beryllium Characterization Procedure, PRO-536-BCPR, Rev. 0, September 9, 1999*. All beryllium smear sample results were less than  $0.1 \mu\text{g}/100\text{cm}^2$ . Analytical data can be found in Appendix 3.

### Asbestos Abatement

Asbestos inspectors conducted the asbestos inspections and sampling in accordance with the *Asbestos Characterization Protocol, PRO-563-ACPR, Revision 1*. Building materials suspected of containing asbestos were identified for sampling at the discretion of the inspectors.

Three of the eight bulk samples of building material suspected of containing asbestos were positive for ACM in the B331 Garage.

Kaiser-Hill Construction performed asbestos abatement activities. Abatement activities commenced 4/15/2005, and were completed 5/31/2005.

During asbestos removal operations, the building was posted as an asbestos control area. HEPA-filtered ventilation was set up to provide air movement within the building. Negative pressure was not implemented due to size of the open area in the facility. Only qualified workers with current asbestos training, physicals, and respirator training/fit testing were utilized to perform abatement activities.

During abatement activities, Personal Protective Equipment (PPE) consisted of disposable coveralls, disposable booties, hoods, gloves and negative pressure, HEPA filtered respirators. A decontamination enclosure system consisting of equipment room and a clean room were established to support workers engaged in the operation. PPE was donned prior to entering the work area. Upon completion of work, all PPE, except respirators, was bagged as asbestos waste for disposal.

Total quantities of asbestos containing material (ACM) waste removed from the facility are outlined in Section VII, Waste Stream Disposition.

### **III. Verification Action Goals Were Met**

Four action objectives were established for Building 331 removal project prior to beginning demolition:

***Decontamination of the facility (as necessary) to support release for decommissioning per site approved procedures.***

The facilities primary structures were decontaminated to free-release standards and disposed of in an off-Site landfill. Sanitary drains and associated pipe runs that were identified as potentially LLW were removed, segregated and dispose of as LLW at Envirocare of Utah.

***Decommissioning of the Building 331 facility in accordance with RFCA and applicable or relevant and appropriate requirements.***

RFCA and other relevant requirements were complied with throughout the project. Consultations with the LRA were conducted throughout the project.

***Complete decontamination and decommissioning activities in a manner that is protective of Site workers, the public and the environment.***

Decontamination and decommissioning activities were completed within regulatory requirements. Dust control measures were implemented during demolition, using wet methods via fire hydrants and fire hoses. No injuries or releases to the environment occurred during the project.

***Demolish the Building 331 facility structures, utilities, and process waste lines to 3' below final grade.***

The facility superstructure and slab were removed during demolition.

### **IV. Verification of Treatment Process**

This section is not applicable.

### **V. Radiological Analysis**

The B331 Garage was characterized for radiological hazards per the PDSP. Radiological characterization was performed to define the nature and extent of radioactive materials that may be present on the facility surfaces. Measurements were performed to evaluate the contaminants of concern. Based upon a review of historical and process knowledge, building walk-downs, and MARSSIM guidance, a Radiological Characterization Plan was developed during the planning phase that describes the minimum survey requirements (refer to the RISS Characterization Project files).

Radiological survey package 331001 was developed for the interior surfaces of the B331 Garage. The survey package was developed in accordance with Radiological Safety Practices (RSP) 16.01, *Radiological*

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*Survey/Sampling Package Design, Preparation, Control, Implementation and Closure.* Total surface activity (TSA), removable surface activity (RSA), and scan measurements were collected in accordance with RSP 16.02 *Radiological Surveys of Surfaces and Structures*. Media samples were collected in accordance with RSP 16.03 *Radiological Samples of Building Media*. Radiological survey data were verified, validated and evaluated in accordance with RSP 16.04, *Radiological Survey/Sample Data Analysis*. Quality control measures were implemented relative to the survey process in accordance with RSP 16.05, *Radiological Survey/Sample Quality Control*.

Exterior radiological surveys for B331 Garage were performed as part of the West Side Exterior PDS Report, which was approved on March 24, 2005 by DOE and CDPHE. The West Side exterior PDS Report confirmed the exterior surfaces of B331 Garage did not contain radiological contamination above the surface contamination guidelines provided in the PDSP. The West Side Exterior PDS Report and survey data, statistical analysis results, and survey map locations are maintained in the RISS Characterization Project files.

See Appendix 3 for radiological characterization data.

## **VI. Demolition Survey Results**

No airborne surveys were taken due to removal of contamination prior to demolition. This applies to radiological, as well as asbestos surveys.

## VII. Waste Stream Disposition

Waste Data	
<b><u>Sanitary Disposal</u></b>	
Disposal Site:	BFI Foothills Hwy 93, BFI Tower Road
Waste Volume (yd <sup>3</sup> ):	3670
Waste Weight (tons):	2327.2
Additional Information:	Included building clean-out, tires and demolition debris.
<b><u>Hazardous Disposal</u></b>	
Disposal Site:	Kettleman Hills Facility, Kettleman City, CA or Bethlehem Apparatus Co, Hellertown, PA
Waste Volume (yd <sup>3</sup> ):	Minor amounts
Waste Weight (tons):	Electronic circuit boards, thermostats, exit signs, batteries, fluorescent light bulbs and any other RCRA hazardous components were removed and taken to the RFCA temporary unit for combination with like waste streams for disposal.
Additional Information:	
<b><u>Low-Level Waste Disposal</u></b>	
Disposal Site:	Envirocare of Utah
Waste Volume (yd <sup>3</sup> ):	10
Waste Weight (tons)	10
Additional Information:	The weight/volume is an estimate. The waste was placed in gondola cars with waste from other projects on Site.
<b><u>Asbestos Waste Disposal</u></b>	
Disposal Site:	BFI Tower Road
Waste Volume (yd <sup>3</sup> ):	120
Waste Weight (tons)	19.37
Additional Information:	Friable asbestos from both sides of building (Garage and Fire Department),

## VIII. Deviations From the Decision Document

There were no deviations from the decision document.

## IX. Description of Site Condition at End of Decommissioning

The B331 structure and slab were removed during demolition. Sanitary sewer lines and water lines remain in place as indicated above.

## X. Demarcation of Excavation

This section is not applicable.

## XI. Demarcation of Wastes Left in Place

See Section IX.

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## **XII. Dates and Duration of Specific Activities**

<u>Activity</u>	<u>Responsible Contractor</u>	<u>Dates</u>
Interior Strip-out	Kaiser Hill	3/28/05-4/1/05
Asbestos Abatement	Kaiser Hill	4/4/05-6/10/05
Demolition	Kaiser Hill	7/7/05-7/15/05
Demobilization	Kaiser Hill	7/15/05

## **XIII. Final Disposition of Wastes**

See Section VII.

## **XIV. Next Step for Area**

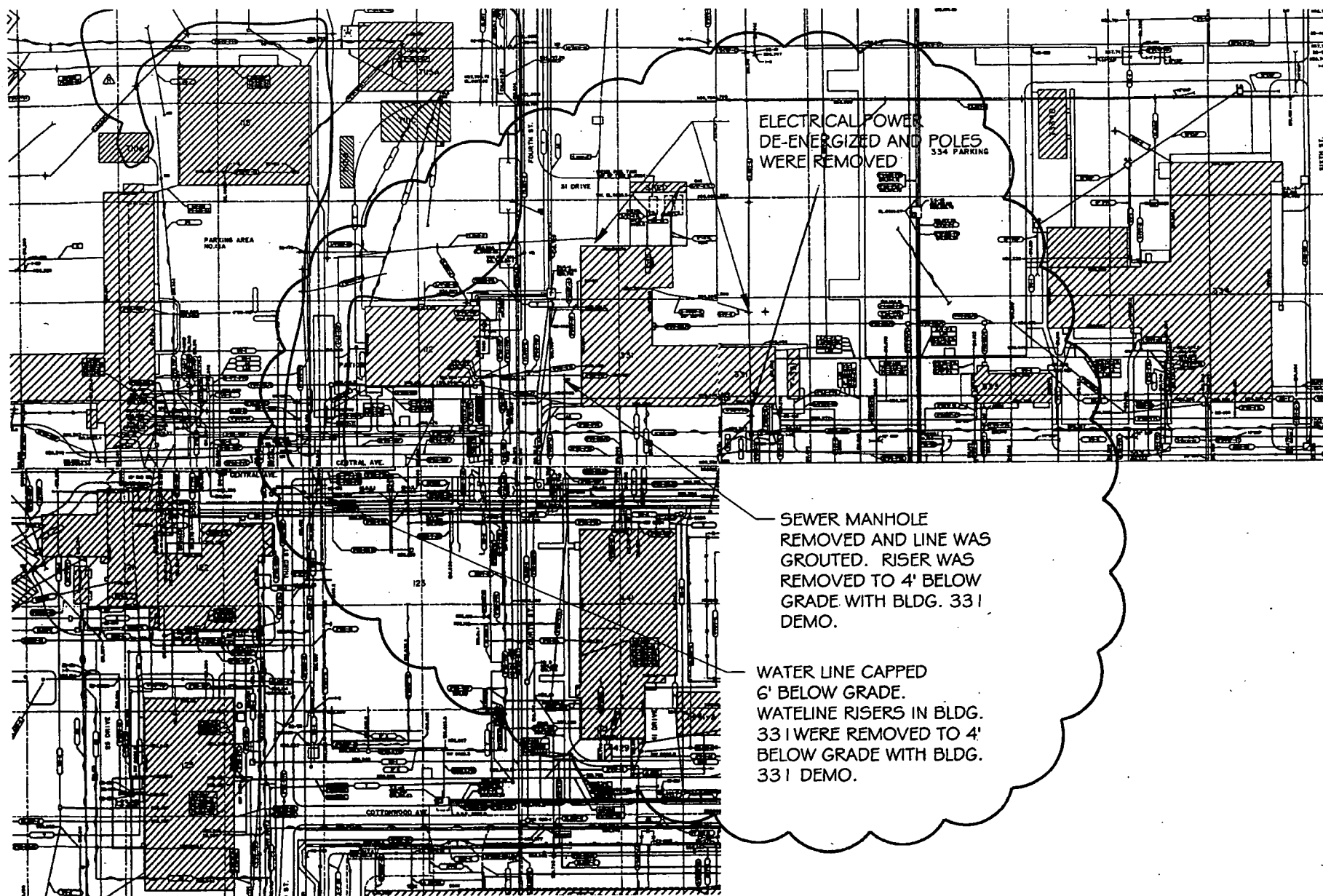
Area will be returned to final grade and revegetated consistent with the Site land configuration plan.

## **Appendix 1**

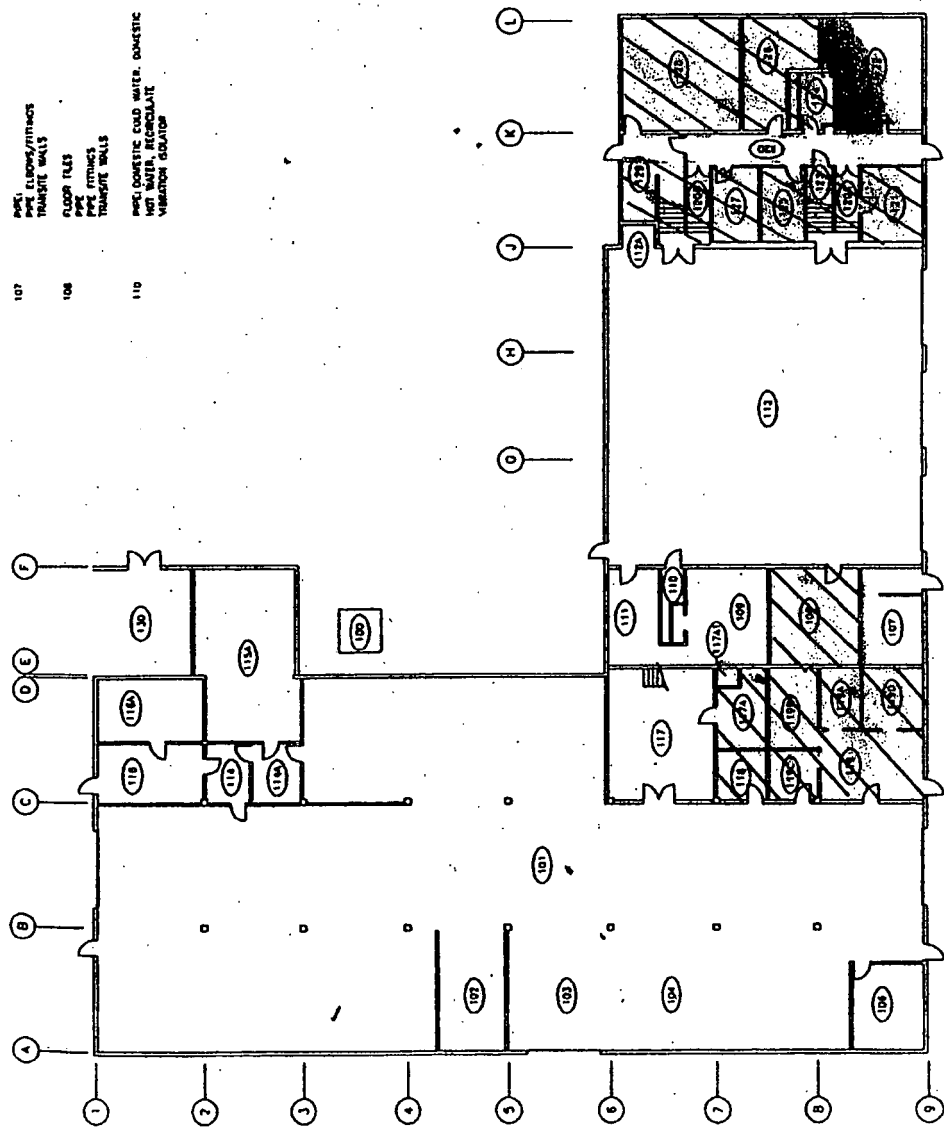
### **Maps**

**Article 1 Utilities Disconnects**

**Article 2 ACM Removal**



BUILDING 331



ACM  
NON-ACM

FIRST FLOOR

117	PIPE STEAM HOT WATER	415, 80-85
116	PIPE (ABOVE CEILING)	
115A	PIPE DOMESTIC COLD WATER (ABOVE CEILING)	
115A	PIPE (ABOVE CEILING)	74
115	CERTIFIED THERMIST WALL	75
116	PIPE DOMESTIC COLD WATER, STEAM	76
116A	PIPE STEAM	79
117	PIPE DOMESTIC COLD WATER	32, 33
117A	PIPE ELBOW/FITTING, STEAM	
117A1	FLOOR TILE (UNDER CARPET)	
1190	PIPE DOMESTIC COLD WATER, STEAM	
1190	PIPE ELBOW	
1190	PIPE (ABOVE CEILING)	
1190	PIPE ELBOWS	
1190A	PIPE ELBOW/FITTING, STEAM (ABOVE CEILING)	
1191	PIPE ELBOW (ABOVE CEILING)	
1191	FLOOR TILE (UNDER CARPET)	
1192	PIPE STEAM, CONDENSATE STEAM	3A, 7
1192	PIPE ELBOW/FITTING, HEATING, REFRIGERANT	4, 5
1192	CONDENSATE LINE, STEAM	9
1192	PIPE ELBOW/FITTING (ABOVE CEILING)	
1192	PIPE ELBOW/FITTING (ABOVE CEILING)	
1192	PIPE ELBOW/FITTING (ABOVE CEILING)	
1192	FLOOR TILE (UNDER CARPET)	17
1192	FLOOR TILE/MISC (UNDER CARPET)	16
1192	PIPE ELBOW/FITTING (ABOVE CEILING)	15
1192	FLOOR TILE/MISC (UNDER CARPET)	

NOTES:

- SPACES 101-104 REPRESENT THE CANAL FLOOR AREAS AND CONTIGUOUS PIPE RUNS.
- ASSESSMENT-CONTINGUOUS BUILDING MATERIALS WERE NOT FOUND IN SPACES:

112A	119A	120B
118	119B	123
119	119C	130

LEGEND

○ SPACE NUMBER

== WALL

SK-331-002-001

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**Appendix 2**  
**Rocky Flats Environmental Technology Site**  
**Contact Records**

Number	5		
Date and Time	7/24/1995		
Primary Site Contact	Karan North	Primary Reg Contact	Cathy Alstatt
SeconddaySite Contact	Karen Holstein	Secondday Reg Contact	
Unit	Building	Site Phone	Agency
	331; 333; 334	*9876	CDPHE

## Purpose

Routine inspection of B331-Garage, B333-Paint Shop, and B334-Maintenance was conducted on Wednesday, July 12, 1995, by CDPHE Hazardous Material compliance Division. CDPHE inspection in these buildings has not occurred since prior to November 1992.

## Discussion

POINTS OF INTEREST - Majority of waste is recycled in these buildings - CDPHE inquired about training and certification (i.e. freon) requirements for building personnel - Recycle vendors; their frequency of pickup; what methods they utilized to "recycle"; shipping records; etc. were requested - Nonhazardous characterization rationale and supporting documentation was requested - Floor personnel provided operation explanation; good responses; training appeared good - Waste streams of particular interest were solvents/detergents, used oil, aerosol cans, batteries, and lamp (fluorescent and incandescent) management - Training records selected for review primarily were of management personnel and new (since July 1, 1995) personnel - Chemical storage and labeling was inspected - 90-day custodian did not explain spill response well—only noted supervision contact, did not explain incidental vs emergency - All items of concern had been previously identified by Operations/Environmental Programs and compliance—there were no surprises COMMENTS MADE BY CDPHE - Reduction of hazardous accumulation sites was positively noted - Recycle management was positively noted - Floor level personnel did good job answering questions - Documentation provided during inspection was appreciated - Also appreciated being introduced to new Senior Management—took that as a sign of commitment (met Chuck Herring, Senior VP/GM; Dick Mitchell, ESH&Q director; Ron Cushner, DOE Facility Representative; Greg Sollner, Kaiser-Hill Site Support Liaison) - Questions regarding cross-company communications were asked - Concerned over lack of photographic support for inspections due to staff reductions—requested State would request own camera pass ITEMS SUPPLIED AT CLOSE-OUT—see file FOLLOW-UP ITEMS TO BE PROVIDED 1) - Training records (Training System Record and external) for individuals selected - full analysis (fingerprint already provided) per WSRIC reference: antifreeze waste streams - Analytical data for the incandescent bulbs = Supplied to CDPHE on July 20, 1995. See transmittal form in file 2) - Evaluate location area of Satellite Accumulation Area to meet Guidance criteria of "at or near operator" = Satellite was relocated July 21, 1995 3) - Mariko concentrate solution should be evaluated for waste determination in diluted form to verify proper disposal (pH =14 in concentrated form) = Samples taken while in-use indicate pH=11. 30 day evaluation will be documented of various process uses. No characterization problems anticipated. 4) - Analytical data for paint booth filters= In process PREVIOUS NOTICE OF INSPECTION FOLLOW-UP 1) Isotopic data for 429 tank supplied 2) Pictures of the inside tanker during the decontamination process at B980 was supplied 3) Still outstanding: - characterization for RCRA on 429 tank due 7-31-95 (RMRS) - pictures of inside cargo container at 964 yard which had been locked during inspection past due—Greg Anderson (RMRS)

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Number	7		
Date and Time	8/15/1995		
Primary Site Contact	Karan North	Primary Reg Contact	Cathy Alstatt
SeconddaySite Contact	Karen Holstein	Seconday Reg Contact	
Unit	Building	Site Phone	Agency
	331;333;334	*9876	CDPHE

**Purpose**

Routine inspection of Building 331-Garage, Building 333-Paint shop, and Building 334-Maintenance was conducted on Wednesday, July 12, 1995, by CDPHE Hazardous Material Compliance Division. Two items were transmitted to CDPHE, August 15, 1995, to conclude the Notice of inspection follow-up requests.

**Discussion**

**ITEMS SUPPLIED**--See file; Document Transmittal form indicates "Evaluation of Mariko for hazardous waste determination" and "Analytical data for paint booth filters"

Number 428  
Date and Time 3/11/1998

Primary Site Contact Mike Putney Primary Reg Contact Archie Crouse  
SeconddaySite Contact Secondday Reg Contact

Unit Building Site Phone Agency  
111, 122, 125,331,333,334 \*2692 CDPHE

#### Purpose

Arch Crouse with CDPHE, APCD, Russell McCallister with DOE, RFFO, and Mike Putney with Radian Air Quality Management, a subcontractor to Kaiser-Hill, toured Buildings 111, 122, 125, 331, 333, and 334 on March 11, 1998. Field inspections of buildings and operations are part of the CDPHE surveillance program for the Rocky Flats Environmental Technology Site and are conducted annually.

#### Discussion

**Building 111 Attendance:** The group met with DCI representatives Mike Papp and Signe Harris (EP&C). **Verification:** CDPHE representative verified building representatives were complying with requirements pertaining to COG-using registered equipment located in building. CDPHE representative recorded the meter reading from the purge meter on the registered chiller. **Results:** No deficiencies were identified. **Records Transmitted:** DCI representatives transmitted Building 111 chemical usage report and the DOC Tracking Log for the registered unit to CDPHE representative. **Follow-up required (list any documents requested):** None **Building 122 Attendance:** The group met with DCI representatives Mike Papp and Signe Harris (EP&C). **Verification:** CDPHE representative did not feel that it was necessary to tour the building. **Results:** No deficiencies were identified. **Records Transmitted:** DCI representatives transmitted Building 122 chemical usage report to CDPHE representative. **Follow-up required (list any documents requested):** None **Building 125 Attendance:** The group met with DCI representatives Mike Papp (EP&C), Signe Harris (EP&C) and Jim Hahn. **Verification:** DCI representative Jim Hahn conducted a general tour of the laboratories located in the building and addressed building-specific questions. **Results:** No deficiencies were identified. **Records Transmitted:** DCI representatives transmitted Building 125 chemical usage report. **Follow-up required (list any documents requested):** None **Building 331 Attendance:** The group met with DCI representatives Mike Papp (EP&C), Signe Harris (EP&C), and Bill Brokaw. **Verification:** Bill Brokaw conducted a general tour of the building and addressed building-specific questions. CDPHE representative verified utilization of usage log at the grit blaster. **Results:** No deficiencies were identified. **Records Transmitted:** DCI representatives transmitted Building 331 chemical usage report and calendar year 1997 gasoline and diesel fuel consumption report to CDPHE representative. **Follow-up required (list any documents requested):** None **Building 333 Attendance:** The group met with DCI representatives Mike Papp (EP&O), Signe Harris (EP&C), and Bob Murray. **Verification:** Bob Murray conducted a general tour of the building and addressed building-specific questions. CDPHE representative verified utilization of usage log at the paint booth, and that the sand blaster was not in operation. **Results:** No deficiencies were identified. **Records Transmitted:** DCI representatives transmitted Building 333 chemical usage report and a copy of the paint booth usage log to CDPHE representative. **Follow-up required (list any documents requested):** None **Building 334 Attendance:** The group met with DCI representatives Mike Papp (EP&C), Signe Harris (EP&C), and Terry Hansen. **Verification:** Terry Hansen conducted a general tour of the building and addressed building-specific questions. CDPHE



representative verified outdoor tank location and recorded the hour meter reading for the grit blaster.  
Results: No deficiencies were identified. Records Transmitted: DCI representatives transmitted  
Building 334 chemical usage report and memorandum from Terry Hansen estimating hours of  
operation for carpenter shop In calendar year 1997. Follow-up required (list any documents requested):  
None

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Number	874		
Date and Time	3/13/2003 1:00:00 PM		
Primary Site Contact	D.A. Parsons	Primary Reg Contact	Dave Kruckeck
SeconddaySite Contact		Secondday Reg Contact	
Unit	Building	Site Phone	Agency
	331F		CDPHE

## Purpose

Building 331F Characterization

## Discussion

Meeting Attendance D. Parsons, D&D D. Kruckek, CDPHE C. Freiboth, K-H K. Wiemelt Discussion During the weekly RISS Area Status meeting held Wednesday afternoon 3/12/03, the characterization of Building 331F was discussed. Since the building was very small (i.e., 14 square feet), K-H requested that the building be disposed of using the Property Release Evaluation (PRE) process versus the normal Reconnaissance Level Characterization process. After the meeting a walkdown was performed of Building 331F with David Kruckek (CDPHE) and Duane Parsons (K-H) to determine if the PRE request could be granted. Based on the walkdown, David Kruckek had some questions concerning the use and storage of Building 331F. Based on the research performed by Duane Parsons following the walkdown, the information below was acquired about 331F: "The materials currently in 331F are various grades of motor oil, ethylene glycol (anti-freeze), windshield washer fluid, automatic transmission fluid, and rock salt. These materials are representative of what has been in 331F historically - general items used to service vehicles during fueling operations. Small quantity spills of these materials would not lead to a RCRA/CERCLA concern, and are not considered hazardous waste. The slab contains the bulk of the stains, and what is on the walls could be easily cleaned off with a rag and a general cleaning degreaser such as Formula 409 or Simple Green. K-H will clean off the stains on the 331F walls, and scrap up the gross spill layers of oil on the 331F slab prior to disposal. Due to the oil stains on the 331F slab, as well as oil stains on the outside concrete around 331F, K-H will not be using this concrete as onsite recycle material." Based on the above information, David Kruckek agreed to utilizing the PRE process when the time comes to remove 331F from the site.

## Follow-Up

Number	885		
Date and Time	4/15/2003		
Primary Site Contact	Rob Garren	Primary Reg Contact	Archie Crouse
SeconddaySite Contact		Secondday Reg Contact	
Unit	Building	Site Phone	Agency
	331, 443A		CDPHE

**Purpose**

Arch Crouse with CDPHE, APCD and Rob Garren with URS Group Air Quality Management, a subcontractor to K-H ESS, toured Buildings 331 and 443A with environmental and building representatives on April 15, 2003. Field inspections of buildings and operations are part of the CDPHE surveillance program for the Rocky Flats Environmental Technology Site and are conducted annually.

**Discussion**

**Building 331 Attendance:** The group met with Remediation, Industrial D&D, and Site Services Project (RISS) representatives Bill Brokaw (Garage) and Matt Francis. **Verification:** Bill Brokaw briefed the group on current activities in the building and addressed building specific questions. The CDPHE representative recorded Site gasoline fuel consumption for the year and gathered process data for activities occurring in the building. **Results:** No deficiencies were identified. **Records Transmitted:** Fuel consumption data for calendar year 2002. **Follow-up required (list any documents requested):** Air Quality Management will coordinate with building representatives annual opacity observations for Building 331 diesel fuel-fired equipment. **Building 443A Portable Boilers Attendance:** The group met with RISS representatives Paul Deeter (Utilities) and Shaun Knapp. **Verification:** Paul Deeter conducted a general tour of the out buildings and addressed boiler specific questions. The CDPHE representative obtained natural gas and No. 2 fuel oil consumption data for the boilers and gathered information about the diesel fuel-fired emergency generator. **Results:** No deficiencies were identified. **Building 443A (cont.) Records Transmitted:** Natural gas and No. 2 fuel oil boiler consumption data for calendar year 2002. **Follow-up required (list any documents requested):** Air Quality Management will coordinate with Plant Power representatives to perform an annual opacity observation on the Building 443A diesel fuel-fired emergency generator.

**Follow-Up.**

Number	1346		
Date and Time	8/20/1997		
Primary Site Contact	John Wrapp	Primary Reg Contact	Ed Smith
SeconddaySite Contact	Pat Granquist	Secondday Reg Contact	
Unit	Building	Site Phone	Agency
	331, 333		CDPHE

#### Purpose

On July 29, 1997 the Colorado Department of Public Health and Environment (CDPHE) conducted an inspection of buildings 331 and 333. CDPHE inspected general building operations and Satellite Collection Areas (SCA). CDPHE also reviewed Waste Stream and Residue Identification and Characterization books, Building Emergency Plans, SCA inspection log sheets, and the waste minimization programs.

#### Discussion

#### Follow-Up

1. CDPHE requested a waste determination for antifreeze recycling unit filters in building 331 by August 15, 1997. CDPHE was informed (in writing) that a sampling request form was submitted to K-H Analytical Services to characterize the filters. The results will be forwarded to CDPHE along with a waste determination. 2. CDPHE observed that no evacuation routes were posted in building 333. A map with both evacuation routes and locations of SCAs was posted in building 333 on July 29, 1997. No further action required.

Number	910		
Date and Time	3/12/1997		
Primary Site Contact	Mike Putney	Primary Reg Contact	Richard Fox
SecondaySite Contact		Seconday Reg Contact	
Unit	Building	Site Phone	Agency
	331, 333, 334		CDPHE

#### Purpose

Richard Fox with CDPHE, APCD, and Mike Putney with Radian Corporation/Air Quality Management, a subcontractor to KH, toured Buildings 331, 333 and 334 on March 12, 1997. Air compliance tours of Site buildings are part of the CDPHE surveillance program for the Rocky Flats Environmental Technology Site and are conducted annually.

#### Discussion

**Building 331: Attendance:** The group met with DynCorp representative Mike Papp and Pat Granquist (EP&C) and Bill Brokaw (Building 331 representative). **Verification:** Richard Fox was given calendar year 1996 chemical usage information and gasoline usage information for Building 331. The gasoline usage was within the permitted value. Mr. Fox verified that a usage log was being maintained for the grit blaster located in the building. Mike Putney placed AQM tank inventory numbers on the five new gasoline and diesel fuel tanks located at the fueling operation behind Building 331 (tank 1 is AQM #00035, tank 2 is AQM #00038, tank 3 is AQM #00041, tank 4 is AQM #00042, tank 5 is AQM #00044). **Results:** No deficiencies were identified. **Follow-up required:** Mr. Fox requested diesel fuel usage information for calendar year 1996. Bill Brokaw will supply information to Mike Putney, and Mike Putney will supply the information to Mr. Fox. Opacities of diesel fired compressors and generators under the responsibility of the garage will be performed at a later date.

**Building 333 Attendance:** The group met with DynCorp representatives Mike Papp and Tony Fernandez (EP&C) and Bob Morvay (Building 333 representatives). **Verification:** Mr. Fox was given calendar year 1996 chemical and paint usage information for Building 333, and a copy of the usage log for the paint booth located in Building 333. Tony Fernandez described the paint can puncturing operation now located in Building 333. **Results:** No deficiencies were identified. **Follow-up required:** None

**Building 334: Attendance:** The group met with DynCorp representative Mike Papp and Tony Fernandez (Building representative). **Verification:** Mr. Fox given calendar year 1996 chemical usage information for Building 334. Tony Fernandez conducted a tour of the facility, provided operations information, and addressed specific questions. There is a new grit blaster in Building 334 with an hour meter. Mr. Fox recorded the hour meter reading (44.3). Tony Fernandez told Mr. Fox that the average usage for the grit blaster is about 16 hours per year, and that the glass bead grit is recovered and reused. Mr. Fox verified the outdoor tank number and location for tank # 0106. **Results:** No deficiencies were identified. **Follow-up required:** None

#### Follow-Up

Number	1355		
Date and Time	3/12/1997		
Primary Site Contact	Mike Putney	Primary Reg Contact	Richard Fox
Secondary Site Contact		Secondary Reg Contact	
Unit	Building	Site Phone	Agency
	331, 333, 334		CDPHE APCD

#### Purpose

Richard Fox with CDPHE, APCD and Mike Putney with Radian Corporation/Air Quality Management, a subcontractor to Kaiser-Hill, toured Buildings 331, 333 and 334 on March 12, 1997. Air compliance tours of Site buildings and operations are part of the CDPHE surveillance program for the Rocky Flats Environmental Technology Site and are conducted annually.

#### Discussion

**Building 331 Attendance:** The group met with DynCorp representatives Mike Papp and Pat Granquist (EP&C), and Bill Brokaw (Building 331 representative). Verification: Mr. Fox was given calendar year 1996 chemical usage information and gasoline usage information for Building 331. The gasoline usage was within the permitted value. Mr. Fox verified that a usage log was being maintained for the grit blaster located in the building. Mike Putney placed AQM tank inventory numbers on the five new gasoline and diesel fuel tanks located at the fueling operation behind Building 331 (tank 1 is AQM/#00035, tank 2 is AQM #00038, tank 3 is AQM #00041, tank 4 is AQM #00042, tank 5 is AQM #00044). Results: No deficiencies were identified. Follow-up required (list any documents requested): Mr. Fox requested diesel fuel usage information for calendar year 1996. Bill Brokaw will supply information to Mike Putney, and Mike Putney will supply the information to Mr. Fox. Opacities of diesel fired compressors and generators under the responsibility of the garage will be performed at a later date. **Building 333 Attendance:** The group met with DynCorp representatives Mike Papp (EP&C), and Tony Fernandez and Bob Morvay (Building 333 representatives). Verification: Mr. Fox was given calendar year 1996 chemical and point usage information for Building 333, and a copy of the usage log for the paint booth located in Building 333. Tony Fernandez described the paint can puncturing operation now located in Building 333. Results: No deficiencies were identified. Follow-up required (list any documents requested): None **Building 334 Attendance:** The group met with DynCorp representatives Mike Papp (EP&C), and Tony Fernandez (Building representatives). Verification: Mr. Fox was given calendar year 1996 chemical usage information for Building 334. Tony Fernandez conducted a tour of the facility, provided operations information, and addressed specific questions. There is a new grit blaster in Building 334 with an hour meter. Mr. Fox recorded the hour meter reading (44.3). Tony Fernandez told Mr. Fox that the average usage for the grit blaster is about 16 hours per year, and that the glass bead grit is recovered and reused. Mr. Fox verified the outdoor tank number and location for tank #0108. Results: No deficiencies were identified. Follow-up required (list any documents requested): None

#### Follow-Up

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## **Appendix 3**

### **B331 Characterization Reports**

## Beryllium Data Summary Building 331 Garage

Sample Number	Map Point Location	Room	Sample Location (Biased)	Result (ug/100cm <sup>2</sup> )
<b>RIN 05C0239</b>				
331-04202005-00-001	1	106B	South Wall	<0.1
331-04202005-00-002	2	Main Gar	B7	<0.1
331-04202005-00-003	3	111	Wall	<0.1
331-04202005-00-004	4	Main Gar	Wall	<0.1
331-04202005-00-005	5	119C	Ceiling	<0.1
331-04202005-00-006	6	111	Floor	<0.1
331-04202005-00-007	7	1 <sup>st</sup> Floor	Ceiling	<0.1
331-04202005-00-008	8	2 <sup>nd</sup> Floor	Floor	<0.1
331-04202005-00-009	9	Main Gar	B6	<0.1
331-04202005-00-010	10	Main Gar	Floor	<0.1
331-04202005-00-011	11	1 <sup>st</sup> Floor	Ceiling	<0.1
331-04202005-00-012	12	Main Gar	Wall	<0.1
331-04202005-00-013	13	1 <sup>st</sup> Floor	Ceiling	<0.1
331-04202005-00-014	14	Main Gar	Overhead	<0.1
331-04202005-00-015	15	1 <sup>st</sup> Floor	Ceiling	<0.1
331-04202005-00-016	16	Main Gar	Wall	<0.1
331-04202005-00-017	17	Main Gar	Floor	<0.1
331-04202005-00-018	18	Main Gar	Floor	<0.1
331-04202005-00-019	19	1 <sup>st</sup> Floor	Ceiling	<0.1
331-04202005-00-020	20	Main Gar	Floor	<0.1
331-04202005-00-021	21	Main Gar	Wall	<0.1
331-04202005-00-022	22	Main Gar	Wall	<0.1
331-04202005-00-023	23	117	Wall	<0.1
331-04202005-00-024	24	Main Gar	Overhead	<0.1
331-04202005-00-025	25	1 <sup>st</sup> Floor	Ceiling	<0.1
331-04202005-00-026	26	Main Gar	Floor	<0.1
331-04202005-00-027	27	1 <sup>st</sup> Floor	Ceiling	<0.1
331-04202005-00-028	28	Main Gar	Overhead	<0.1
331-04202005-00-029	29	106C	Floor	<0.1
331-04202005-00-030	30	Main Gar	Wall	<0.1
331-04202005-00-031	31	Main Gar	Wall	<0.1
331-04202005-00-032	32	Main Gar	Wall	<0.1
331-04202005-00-033	33	1 <sup>st</sup> Floor	Ceiling	<0.1
331-04202005-00-034	34	Main Gar	Overhead	<0.1
331-04202005-00-035	35	1 <sup>st</sup> Floor	Ceiling	<0.1
331-04202005-00-036	36	Main Gar	Overhead	<0.1
331-04202005-00-037	37	Main Gar	Overhead	<0.1
331-04202005-00-038	38	Main Gar	Floor	<0.1
331-04202005-00-039	39	Main Gar	Floor	<0.1
331-04202005-00-040	40	1 <sup>st</sup> Floor	Ceiling	<0.1
331-04202005-00-041	41	Main Gar	Floor	<0.1
331-04202005-00-042	42	Main Gar	Floor	<0.1
331-04202005-00-043	43	130	Floor	<0.1
331-04202005-00-044	44	119	Wall	<0.1

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### Beryllium Data Summary Building 331 Garage

Sample Number	Map Point Location	Room	Sample Location (Biased)	Result (ug/100cm <sup>2</sup> )
331-04202005-00-045	45	115A	Floor	<0.1
331-04202005-00-046	46	Main Gar	Floor	<0.1
331-04202005-00-047	47	Main Gar	Overhead	<0.1
331-04202005-00-048	48	130	Wall	<0.1
331-04202005-00-049	49	Main Gar	Overhead surface on wall	<0.1
331-04202005-00-050	50	115	Floor	<0.1
331-04202005-00-051	51	115	Floor	<0.1
331-04202005-00-052	52	117	Floor	<0.1
331-04202005-00-053	53	117	Floor	<0.1
331-04202005-00-054	54	130	Floor	<0.1
331-04202005-00-055	55	130	Floor	<0.1
331-04202005-00-056	56	116	Floor	<0.1
331-04202005-00-057	57	116	Floor	<0.1
331-04202005-00-058	58	116	Floor	<0.1
331-04202005-00-059	59	106A	Floor	<0.1
331-04202005-00-060	60	106A	Floor	<0.1

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### Asbestos Data Summary

Sample Number	Map Sample Location	Room	Material Sampled and Sample Location	Result
Building 331 Garage - RIN 03Z1261				
331-03252003-315-201	201	102	Turquoise paint from CMU partition wall	Trace Chrysotile; < 0.25% Point Count
331-03252003-315-202	202	101	Gray window glazing, west wall	2.0% Chrysotile; 1.5% Point Count
331-03252003-315-203	203	101	Gray window glazing, south wall	3.0% Chrysotile; 2.0% Point Count
331-03252003-315-204	204	101	Beige, turquoise and white paint on CMU, east wall	2.0% Chrysotile; 1.0% Point Count
331-03252003-315-205	205	101	Beige paint on CMU, east wall	Trace Chrysotile; < 0.25% Point Count
331-03252003-315-206	206	101	Gray window glazing, east wall	Trace Chrysotile; < 0.50% Point Count
331-03252003-315-207	207	101	Beige and turquoise paint on CMU, south wall	Trace Chrysotile; < 0.25% Point Count
331-03252003-315-208	208	101	Beige paint on CMU, east wall	Trace Chrysotile; < 0.25% Point Count

**Survey Area:** 3**Survey Unit:** 331001**Building:** 331G**Description:** Building 331G Interior

## Rocky Flats Environmental Technology Site Final Radiological Survey Summary Results

### Total Surface Activity Measurements

Nbr Random Measurements Required: 22

Nbr Biased Measurements Required: 30

Nbr QC Required: 2

Nbr Random Measurements Performed: 22

Nbr Biased Measurements Performed: 30

Nbr QC Performed: 2

#### Alpha

Maximum: 58.8 dpm/100cm<sup>2</sup>  
Minimum: -3.0 dpm/100cm<sup>2</sup>  
Mean: 19.2 dpm/100cm<sup>2</sup>  
Standard Deviation: 14.8  
QC Maximum: 24.0 dpm/100cm<sup>2</sup>  
QC Minimum: 21.3 dpm/100cm<sup>2</sup>  
QC Mean: 22.7 dpm/100cm<sup>2</sup>  
Transuranic DCGL<sub>w</sub>: 100.0 dpm/100cm<sup>2</sup>  
Transuranic DCGL<sub>EMC</sub>: 300.0 dpm/100cm<sup>2</sup>

### Removable Surface Activity Measurements

Nbr Random Measurements Required: 22

Nbr Biased Measurements Required: 30

Nbr Random Measurements Performed: 22

Nbr Biased Measurements Performed: 30

#### Alpha

Maximum: 6.1 dpm/100cm<sup>2</sup>  
Minimum: -1.2 dpm/100cm<sup>2</sup>  
Mean: 1.2 dpm/100cm<sup>2</sup>  
Standard Deviation: 1.5  
Transuranic DCGL<sub>w</sub>: 20.0 dpm/100cm<sup>2</sup>

### Media Sample Results

Nbr Random Required: 16

Nbr Biased Required: 6

Nbr Random Collected: 16

Nbr Biased Collected: 6

#### Uranium

Maximum: 151 dpm/100cm<sup>2</sup>  
Minimum: 30 dpm/100cm<sup>2</sup>  
Mean: 81 dpm/100cm<sup>2</sup>  
Standard Deviation: 44  
Uranium DCGL<sub>w</sub>: 5,000 dpm/100cm<sup>2</sup>  
Uranium DCGL<sub>EMC</sub>: 15,000 dpm/100cm<sup>2</sup>

#### Transuranic

Maximum: 0 dpm/100cm<sup>2</sup>  
Minimum: 0 dpm/100cm<sup>2</sup>  
Mean: 0 dpm/100cm<sup>2</sup>  
Standard Deviation: 0  
Transuranic DCGL<sub>w</sub>: 100 dpm/100cm<sup>2</sup>  
Transuranic DCGL<sub>EMC</sub>: 300 dpm/100cm<sup>2</sup>

*Conclusion - A comparison of the random, biased and QC measurement results against the PDSP Table 7-1 Surface Contamination Guideline limits was conducted; the comparison demonstrates that this survey unit passes the criterion specified in the PDSP.*

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Survey Area: 3

Survey Unit: 331001

Building: 331G

Description: Building 331G Interior

## Instrument Data Sheet

Inst/RCT Number	RCT ID	Analysis Date	Instr Model	Instru S/N	Probe Type	Calibration Due Dt	Instru Efficiency		A-Priori MDA (dpm/100cm <sup>2</sup> )		Survey Type
							Alpha	Beta	Alpha	Beta	
1	511390	04/07/05	Electra	3370	DP-6	07/27/05	0.213	NA	48.0	NA	T/S
2	515538	04/12/05	SAC-4	767	NA	08/03/05	0.330	NA	10.0	NA	R
3	511390	04/12/05	Electra	3370	DP-6	07/27/05	0.213	NA	48.0	NA	T/S
4	511390	04/13/05	Electra	1379	DP-6	05/09/05	0.222	NA	48.0	NA	T/S
5	515538	04/14/05	Electra	3370	DP-6	07/27/05	0.213	NA	48.0	NA	T/S
6	511390	04/14/05	SAC-4	767	NA	08/03/05	0.330	NA	10.0	NA	R
7	511390	04/18/05	Electra	3370	DP-6	07/27/05	0.213	NA	48.0	NA	T/S
8	515538	04/18/05	Electra	2352	DP-6	06/09/05	0.221	NA	300.0	NA	S
9	511390	04/18/05	Electra	2352	DP-6	06/09/05	0.221	NA	48.0	NA	Q/S
10	515538	04/18/05	SAC-4	767	NA	08/03/05	0.330	NA	10.0	NA	R
11	511390	04/19/05	Electra	1379	DP-6	05/09/05	0.222	NA	48.0	NA	T/S
12	515538	04/19/05	Electra	657	AP-6	06/13/05	0.184	NA	300.0	NA	S
13	515538	04/20/05	Electra	657	AP-6	06/13/05	0.184	NA	300.0	NA	S
14	515538	04/20/05	SAC-4	767	NA	08/03/05	0.330	NA	10.0	NA	R
15	515538	04/25/05	Electra	2352	DP-6	06/09/05	0.221	NA	48.0	NA	T/Q
16	515538	04/26/05	SAC-4	767	NA	08/03/05	0.330	NA	10.0	NA	R
17	513922	05/23/05	Electra	3254	DP-6	07/04/05	0.225	NA	48.0	NA	T/S
18	514256	05/23/05	Electra	3102	DP-6	06/16/05	0.216	NA	48.0	NA	T/S
19	515538	05/23/05	Electra	674	AP-6	08/02/05	0.182	NA	300.0	NA	S
20	513922	05/23/05	Electra	281	AP-6	09/17/05	0.180	NA	300.0	NA	S
21	513922	05/23/05	SAC-4	767	NA	08/03/05	0.330	NA	10.0	NA	R

Survey Types: T = Total Surface Activity, Q = TSA QC, S = Scan, R = Removable Surface Activity, I = Investigation

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**Survey Area:** 3

**Survey Unit:** 331001

**Building:** 331G

**Description:** Building 331G Interior

## Comments Sheet

**General** N/A

**Comments:**

**TSA** For instruments that were used for both TSAs and scans (T/S) on the Instrument Data Sheet, The TSA A-Priori MDA is 48.0 and the scan A-Priori MDA is 300.0.

**Comments:**

**RSA** N/A

**Comments:**

**Media** 1. 16 Media samples were collected from the painted random locations. The other 6 random locations were not painted.

**Comments:** 2. 6 additional media samples were collected at biased locations.

Survey Area: 3

Survey Unit: 331001

Building: 331G

Description: Building 331G Interior

## Random Removable Surface Activity Data Sheet

Random Measurement Location	Pre Media Sample Data			Post Media Sample Data		
	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )
331001PRP-N001	2	-0.3	N/A	6	2.2	N/A
331001PRP-N002	2	1.2	N/A	10	2.2	N/A
331001PRP-N003	10	1.5	N/A	10	4.3	N/A
331001PRP-N004	10	0.0	N/A	10	4.3	N/A
331001PRP-N005	2	1.2	N/A	6	0.0	N/A
331001PRP-N006	10	0.0	N/A	N/A	N/A	N/A
331001PRP-N007	2	-0.3	N/A	2	-0.4	N/A
331001PRP-N008	2	-0.3	N/A	6	4.3	N/A
331001PRP-N009	2	-0.3	N/A	2	1.8	N/A
331001PRP-N010	2	-0.3	N/A	2	1.8	N/A
331001PRP-N011	6	0.0	N/A	6	0.0	N/A
331001PRP-N012	2	-0.3	N/A	2	-0.4	N/A
331001PRP-N013	10	1.5	N/A	N/A	N/A	N/A
331001PRP-N014	2	-0.3	N/A	2	1.8	N/A
331001PRP-N015	10	6.1	N/A	N/A	N/A	N/A
331001PRP-N016	10	1.5	N/A	N/A	N/A	N/A
331001PRP-N017	14	2.4	N/A	N/A	N/A	N/A
331001PRP-N018	14	0.9	N/A	N/A	N/A	N/A
331001PRP-N019	6	1.5	N/A	6	2.2	N/A
331001PRP-N020	2	-0.3	N/A	6	4.3	N/A
331001PRP-N021	2	-0.3	N/A	6	2.2	N/A
331001PRP-N022	6	0.0	N/A	6	2.2	N/A

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Survey Area: 3

Survey Unit: 331001

Building: 331G

Description: Building 331G Interior

## Biased Removable Surface Activity Data Sheet

Biased Measurement Location	Pre Media Sample Data			Post Media Sample Data		
	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )
331001PBP-N023	6	0.0	N/A	6	4.3	N/A
331001PBP-N024	6	1.5	N/A	6	0.0	N/A
331001PBP-N025	6	0.0	N/A	6	0.0	N/A
331001PBP-N026	6	0.0	N/A	6	0.0	N/A
331001PBP-N027	6	0.0	N/A	6	2.2	N/A
331001PBP-N028	6	0.0	N/A	6	4.3	N/A
331001PBP-N029	14	0.9	N/A	N/A	N/A	N/A
331001PBP-N030	14	2.4	N/A	N/A	N/A	N/A
331001PBP-N031	14	2.4	N/A	N/A	N/A	N/A
331001PBP-N032	16	-1.2	N/A	N/A	N/A	N/A
331001PBP-N033	16	1.8	N/A	N/A	N/A	N/A
331001PBP-N034	16	-1.2	N/A	N/A	N/A	N/A
331001PBP-N035	16	0.3	N/A	N/A	N/A	N/A
331001PBP-N036	16	0.3	N/A	N/A	N/A	N/A
331001PBP-N037	16	1.8	N/A	N/A	N/A	N/A
331001PBP-N038	21	2.7	N/A	N/A	N/A	N/A
331001PBP-N039	21	2.7	N/A	N/A	N/A	N/A
331001PBP-N040	21	1.2	N/A	N/A	N/A	N/A
331001PBP-N041	21	1.2	N/A	N/A	N/A	N/A
331001PBP-N042	21	-0.3	N/A	N/A	N/A	N/A
331001PBP-N043	21	1.2	N/A	N/A	N/A	N/A
331001PBP-N044	21	2.7	N/A	N/A	N/A	N/A
331001PBP-N045	21	1.2	N/A	N/A	N/A	N/A
331001PBP-N046	21	2.7	N/A	N/A	N/A	N/A
331001PBP-N047	21	1.2	N/A	N/A	N/A	N/A
331001PBP-N048	21	1.2	N/A	N/A	N/A	N/A
331001PBP-N049	21	-0.3	N/A	N/A	N/A	N/A

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Survey Area: 3

Survey Unit: 331001

Building: 331G

Description: Building 331G Interior

### Biased Removable Surface Activity Data Sheet

Biased Measurement Location	Pre Media Sample Data			Post Media Sample Data		
	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )
331001PBP-N050	21	2.7	N/A	N/A	N/A	N/A
331001PBP-N051	21	1.2	N/A	N/A	N/A	N/A
331001PBP-N052	21	1.2	N/A	N/A	N/A	N/A

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Survey Area: 3

Survey Unit: 331001

Building: 331G

Description: Building 331G Interior

## Random/QC Total Surface Activity Data Sheet

Random Measurement Location	Pre Media Sample Data			Post Media Sample Data		
	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )
331001PRP-N001	7	16.2	N/A	8	16.7	N/A
331001PRP-N002	7	36.4	N/A	8	22.6	N/A
331001PRP-N003	7	16.2	N/A	8	10.4	N/A
331001PRP-N004	7	14.8	N/A	8	23.9	N/A
331001PRP-N005	4	-3.0	N/A	4	8.9	N/A
331001PRP-N006	7	-2.6	N/A	N/A	N/A	N/A
331001PRP-N007	3	-2.6	N/A	3	20.7	N/A
331001PRP-N008	4	6.0	N/A	4	10.3	N/A
331001PRP-N009	3	3.5	N/A	3	23.9	N/A
331001PRP-N010	3	22.3	N/A	3	30.0	N/A
331001PRP-N011	4	10.5	N/A	4	25.6	N/A
331001QRP-N011	15	21.3	N/A	N/A	N/A	N/A
331001PRP-N012	3	-2.6	N/A	3	-0.9	N/A
331001PRP-N013	7	6.8	N/A	N/A	N/A	N/A
331001PRP-N014	3	3.5	N/A	3	31.9	N/A
331001PRP-N015	5	28.8	N/A	N/A	N/A	N/A
331001QRP-N015	9	24.0	N/A	N/A	N/A	N/A
331001PRP-N016	7	10.1	N/A	N/A	N/A	N/A
331001PRP-N017	11	7.4	N/A	N/A	N/A	N/A
331001PRP-N018	11	9.2	N/A	N/A	N/A	N/A
331001PRP-N019	5	10.1	N/A	5	14.5	N/A
331001PRP-N020	5	12.9	N/A	5	36.6	N/A
331001PRP-N021	5	22.3	N/A	5	42.7	N/A
331001PRP-N022	5	0.7	N/A	5	36.6	N/A

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Survey Area: 3

Survey Unit: 331001

Building: 331G

Description: Building 331G Interior

## Biased Total Surface Activity Data Sheet

Biased Measurement Location	Pre Media Sample Data			Post Media Sample Data		
	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )
331001PBP-N023	5	6.5	N/A	5	38.0	N/A
331001PBP-N024	5	25.3	N/A	5	22.1	N/A
331001PBP-N025	4	5.7	N/A	4	5.8	N/A
331001PBP-N026	4	14.7	N/A	4	1.3	N/A
331001PBP-N027	4	23.7	N/A	4	37.3	N/A
331001PBP-N028	4	1.2	N/A	4	37.3	N/A
331001PBP-N029	11	19.2	N/A	N/A	N/A	N/A
331001PBP-N030	11	11.6	N/A	N/A	N/A	N/A
331001PBP-N031	11	29.6	N/A	N/A	N/A	N/A
331001PBP-N032	15	2.6	N/A	N/A	N/A	N/A
331001PBP-N033	15	14.8	N/A	N/A	N/A	N/A
331001PBP-N034	15	5.8	N/A	N/A	N/A	N/A
331001PBP-N035	15	2.6	N/A	N/A	N/A	N/A
331001PBP-N036	15	7.2	N/A	N/A	N/A	N/A
331001PBP-N037	15	9.0	N/A	N/A	N/A	N/A
331001PBP-N038	17	35.3	N/A	N/A	N/A	N/A
331001PBP-N039	18	37.2	N/A	N/A	N/A	N/A
331001PBP-N040	17	26.4	N/A	N/A	N/A	N/A
331001PBP-N041	18	37.2	N/A	N/A	N/A	N/A
331001PBP-N042	17	26.4	N/A	N/A	N/A	N/A
331001PBP-N043	18	15.5	N/A	N/A	N/A	N/A
331001PBP-N044	17	26.4	N/A	N/A	N/A	N/A
331001PBP-N045	18	58.5	N/A	N/A	N/A	N/A
331001PBP-N046	17	26.4	N/A	N/A	N/A	N/A
331001PBP-N047	18	12.2	N/A	N/A	N/A	N/A
331001PBP-N048	17	37.9	N/A	N/A	N/A	N/A
331001PBP-N049	18	37.2	N/A	N/A	N/A	N/A

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**Survey Area: 3****Survey Unit: 331001****Building: 331G****Description: Building 331G Interior****Biased Total Surface Activity Data Sheet**

Biased Measurement Location	Pre Media Sample Data			Post Media Sample Data		
	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )	Inst / RCT Nbr	Net Alpha (dpm/100cm <sup>2</sup> )	Net Beta (dpm/100cm <sup>2</sup> )
331001PBP-N050	17	58.8	N/A	N/A	N/A	N/A
331001PBP-N051	18	52.5	N/A	N/A	N/A	N/A
331001PBP-N052	17	32.1	N/A	N/A	N/A	N/A

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Survey Area: 3

Survey Unit: 331001

Building: 331G

Description: Building 331G Interior

## Media Samples Data Sheet

Site Sample ID / Nbr Description	Nuclide	Sample (pCi/g)	Sample MDA (pCi/g)	Weight (g)	Surface Area (in <sup>2</sup> )	Sample Nuclide (dpm/100cm <sup>2</sup> )	Sample Nuclide MDA (dpm/100cm <sup>2</sup> )	Sample Total (dpm/100cm <sup>2</sup> )
05Z1174-023.001 23 1, 2, 3, 4	U234	0.0000	79.2000	20.80	26.3	0	2,155	Uranium 50 Transuranic 0
	U235	0.4590	0.2110			13	6	
	U238	1.3900	0.9540			38	26	
	Pu239/240	0.0000	1.4969			0	41	
	Am241	0.0000	0.2160			0	6	
05Z1174-024.001 24 5, 7	U234	0.0000	82.1000	21.60	26.3	0	2,320	Uranium 60 Transuranic 0
	U235	0.5590	0.2270			16	6	
	U238	1.5500	1.3800			44	39	
	Pu239/240	0.0000	1.6701			0	47	
	Am241	0.0000	0.2410			0	7	
05Z1174-025.001 25 8, 9, 10	U234	0.0000	76.5000	24.70	26.3	0	2,472	Uranium 149 Transuranic 0
	U235	0.4740	0.2000			15	7	
	U238	4.1400	1.1600			134	38	
	Pu239/240	0.0000	1.5870			0	51	
	Am241	0.0000	0.2290			0	7	
05Z1174-026.001 26 11, 12, 14	U234	0.0000	84.8000	20.60	26.3	0	2,286	Uranium 55 Transuranic 0
	U235	0.6030	0.2160			16	6	
	U238	1.4400	1.0200			39	28	
	Pu239/240	0.0000	1.7741			0	48	
	Am241	0.0000	0.2560			0	7	
05Z1174-027.001 27 19	U234	0.0000	82.3000	17.30	26.3	0	1,863	Uranium 121 Transuranic 0
	U235	0.5750	0.2300			13	5	
	U238	4.7700	1.3000			108	29	
	Pu239/240	0.0000	1.7186			0	39	
	Am241	0.0000	0.2480			0	6	
05Z1174-028.001 28 20, 21	U234	0.0000	83.3000	17.30	26.3	0	1,886	Uranium 58 Transuranic 0
	U235	0.5250	0.2160			12	5	
	U238	2.0300	1.3900			46	32	
	Pu239/240	0.0000	1.6355			0	37	
	Am241	0.0000	0.2360			0	5	
05Z1174-029.001 29 22	U234	0.0000	78.1000	20.10	26.3	0	2,054	Uranium 30 Transuranic 0
	U235	0.4000	0.1880			11	5	
	U238	0.7320	1.1000			19	29	
	Pu239/240	0.0000	1.5177			0	40	
	Am241	0.0000	0.2190			0	6	

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Survey Area: 3

Survey Unit: 331001

Building: 331G

Description: Building 331G Interior

## Media Samples Data Sheet

Site Sample ID / Nbr Description	Nuclide	Sample (pCi/g)	Sample MDA (pCi/g)	Weight (g)	Surface Area (in <sup>2</sup> )	Sample Nuclide (dpm/100cm <sup>2</sup> )	Sample Nuclide MDA (dpm/100cm <sup>2</sup> )	Sample Total (dpm/100cm <sup>2</sup> )
05Z1174-030.001 30 23, 24	U234	0.0000	67.2000	19.80	26.3	0	1,741	Uranium 52 Transuranic 0
	U235	0.4350	0.1690			11	4	
	U238	1.5600	1.0600			40	28	
	Pu239/240	0.0000	1.3652			0	35	
	Am241	0.0000	0.1970			0	5	
05Z1174-031.001 31 25, 26	U234	0.0000	70.5000	20.70	26.3	0	1,909	Uranium 82 Transuranic 0
	U235	0.4430	0.1930			12	5	
	U238	2.5900	1.0700			70	29	
	Pu239/240	0.0000	1.5315			0	42	
	Am241	0.0000	0.2210			0	6	
05Z1174-032.001 32 27, 28	U234	0.0000	81.2000	20.50	26.3	0	2,178	Uranium 151 Transuranic 0
	U235	0.5140	0.2160			14	6	
	U238	5.1200	1.1400			137	31	
	Pu239/240	0.0000	1.7048			0	46	
	Am241	0.0000	0.2460			0	7	

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## **Appendix 4**

### **Administrative Record**

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE  
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There are 41 records in this set and a total of 333 pages.

<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<b>BZ A INFO</b>	YES, ROUTINE	RF/RMRS-99-428.UN; SW-A-003379	
09/29/1999	<u>Author(s)</u>	<u>Recipient(s)</u>	
0 Pages	ENVIRONMENTAL RESTOR	DISTRIBUTION	
PUBLIC			
			Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - Oil Burn Pit No. 2 (PAC 900-153). Drums containing oil contaminated with Uranium were burned in an open pit located north of Central Avenue and southeast of Building 991. These activities took place adjacent to the Mound (PAC 900-113). The oil burn pit was actually two trenches excavated parallel to each other. The oil in the drums was dumped into the pit and ignited. Oil was burned at night so smoke would not cause alarm. On the order of 80 drums of oil was burned in a typical month. The drums were reused by the originating buildings until they were flattened and buried in trenches onsite (PAC NE-110, and PAC NE-111). An October 1960 study stated that organic liquids were stored due to the lack of proper facilities to burn the wastes. In February 1961, a study performed by the Health Physics group assured the operators that open pit burning was safe. A second oil-burning pit was cut in November 1961 and may be a reference to the parallel trench. The materials contained in the drums were coolant, still bottoms, and waste oils from Building 444 and Building 881. Attempts were made to burn only non-radioactively contaminated oils. During a burning test on February 1961, a direct count value monitored from the test was three times as high as the value from the Building 881 stack on that day. This was considered acceptable because the burning occurred over a short period and would not materially add to the airborne activity released to the atmosphere. Further characterization of IHSS 153 will be performed following D&D of the security fence and is reflected accordingly in the 2006 Baseline.

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE  
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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<b>IA A 000305</b> 05/22/1987 1 Pages PUBLIC	<u>Author(s)</u> SETLOCK, DR. GEORGE H.	<u>Recipient(s)</u> POTTER, G. L.	Internal letter regarding steam cleaning activities in garage shops (Building 331) involve Resource Conservation and Recovery Act (RCRA) regulated wastes. Rinse water washes down street, pavement and culverts. Environmental Management has assessed that it presently does not cause a problem to the plant. The only water that is outside the garage is water from washing vehicles. The Detergent used does not contain RCRA regulated compounds.
<b>IA A 000722</b> 02/21/1996 10 Pages PUBLIC	<u>Author(s)</u> JIERREE, CANDICE	<u>Recipient(s)</u> NORTH, KARAN SCHIEFFELIN, JOE	Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the Resource Conservation and Recovery Act (RCRA) Closure Plan RCRA Unit 2, Building 334, Drum Storage Area. Unit 2 is a cargo container located neat the B331 vehicle maintenance facility, which temporarily stored hazardous wastes. This unit is no longer in service and will be identified as a non-hazardous equipment storage facility in the future.
<b>IA A 001076</b> 09/30/2002 1 Pages PUBLIC	<u>Author(s)</u> BUTLER, J. LANE	<u>Recipient(s)</u> DISALVO, RICHARD	Submits the attached [001077] Industrial Area (IA) Characterization and Remediation Strategy FY02 Update Appendix C, September 2002. This document is an end-of-the-year requirement, but there is no requirement for Regulatory Agency review or approval.
<b>IA A 001077</b> 09/01/2002 40 Pages PUBLIC	<u>Author(s)</u> NOT INDICATED	<u>Recipient(s)</u> DISTRIBUTION	Industrial Area (IA) Characterization and Remediation Strategy FY02 Update Appendix C, September 2002 - This report was developed to provide a roadmap for final closure of the Rocky Flats Environmental Technology Site (RFETS/Site). IA to ensure integration of remediation activities, including facility decommissioning, characterization, remediation and Regulatory Agency and stakeholder participation. This is being incorporated as Appendix C of the IA strategy for October 1, 2001 through September 30, 2002.



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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>IA A 001138</u> 09/01/2002 41 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	PADC-1999-02570 <u>Recipient(s)</u> DISTRIBUTION	Industrial Area (IA) Characterization and Remediation Strategy FY02 Update, Appendix C September 2002 - This FY02, October 1, 2001 through September 30, 2002 IA Strategy Update describes progress on components and changes to the IA Strategy and the major accomplishments.
<u>IA A 001232</u> 10/07/1993 3 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> MCHUGH, MICHAEL	MFM-024-93 <u>Recipient(s)</u> DEMOS, N. S.	Discusses soil disturbance and spill activities that surfaced in Operable Unit OU13 the week of September 27 through October 1, 1993 and the several concerns that need to be addressed.
<u>IA A 001375</u> 03/26/2003 9 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> PARSONS, DUANE	N/A <u>Recipient(s)</u> KRUCHEK, DAVID	Purpose of Contact: Remediation, Industrial Building D&D and Site Services Project, RISS meeting discusses the enclosed proposed Facility Anticipated Typing Reclassification table. This includes a list of buildings that have not yet undergone a Reconnaissance Level Characterization (RLC), and a justification for changing the Typing prior to the RLC.
<u>IA A 001391</u> 04/22/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> DISALVO, RICHARD	-03-DOE-00448; 00378-RF-03 <u>Recipient(s)</u> GUNDERSON, STEVE	Forwards the attached [001392, 001393 and 001394] Type 1 Reconnaissance Level Characterization Report (RLCR) for Area 5 Group 6a Closure Projects, Trailers T130C, T130D, T130E, T130F, T130G and T130H, Revision 0 dated April 15, 2003 for concurrence. This also forwards the RLCR for Building 790, 331 Fire Department and C331 Cargo Container Facility, Revision 0 dated April 14 and 15 2003.
<u>IA A 001394</u> 04/14/2003 59 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 03-DOE-00448; 00378-RF-03 <u>Recipient(s)</u> DISTRIBUTION	Reconnaissance Level Characterization Report (RLCR) Buildings 331 (Fire Department) and C331, Revision 0 April 14, 2003.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<b>IA A 001434</b> 05/29/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	00512-RF-03 <u>Recipient(s)</u> DISALVO, RICHARD	The Colorado Department of Public Health and Environment (CDPHE) concurs with the Reconnaissance Level Characterization Report (RLCR) for Buildings 331 (Fire Department) and C331, Revision 0 April 14, 2003 Type 1 designation.
<b>IA A 001451</b> 04/16/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FERRERA, DENNIS W.	03-RF-00571; DWF-023-03 <u>Recipient(s)</u> TOWER, STEVE	Submits the attached [001394] Reconnaissance Level Characterization Report (RLCR) Buildings 331 (Fire Department) and C331, Revision 0 April 14, 2003.
<b>IA A 002656</b> 06/30/2005 1 Pages PRELIM	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	00357-RF-05 <u>Recipient(s)</u> RAMPE, JOHN	The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials and Waste Management Division has reviewed US Department of Energy, Rocky Flats Office (DOE/RFO) June 29, 2005 letter notifying us that the Facility Disposition Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) will be utilized during the demolition of Building 331 Garage. CDPHE hereby agrees that Building 331 Garage may be demolished utilizing the Facility Disposition RSOP with additional actions to protect, manage and remove the remaining radiological contamination in B331 Garage as indicated.
<b>IA A 002661</b> 06/29/2005 1 Pages PRELIM	YES, ROUTINE <u>Author(s)</u> RAMPE, JOHN	00350-RF-05 <u>Recipient(s)</u> GUNDERSON, STEVE	In accordance with the Rocky Flats Cleanup Agreement (RFCA) Standard Operating Protocol (RSOP) for Facility Disposition this letter and its enclosure are notification for RSOP implementation for all activities required to demolish and disposition Building 331, Garage.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>IA A 002673</u> 06/08/2005 3 Pages PRELIM	<u>Author(s)</u> FERRERA, DENNIS W.	<u>Recipient(s)</u> MORGAN, GARY	Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Facility Disposition. This letter and its attachments is notification for RSOP implementation. and for all activities required to demolish and disposition Building 331 Garage.
<u>IA A 002677</u> 06/07/2005 2 Pages PRELIM	<u>Author(s)</u> RAMPE, JOHN	<u>Recipient(s)</u> GUNDERSON, STEVE	Reconnaissance Level Characterization Report/Pre-Demolition Survey Report for Building 331 Garage. This report characterizes the physical, chemical and radiological hazards associated with this facility, summarizes the characterization activities, defines the Data Quality Objectives developed for this characterization and presents the data quality assessment, verification and validation of the results. Building 331 had been anticipated to be a Type 2 facility, but a Reconnaissance Level Characterization was not previously performed due to the facility being in operation, rendering significant areas inaccessible.
<u>IA A 002682</u> 06/09/2005 1 Pages PRELIM	<u>Author(s)</u> GUNDERSON, STEVE	<u>Recipient(s)</u> RAMPE, JOHN	The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials and Waste Management Division has reviewed the Reconnaissance Level Characterization Report/ Pre-Demolition Survey Report (RLCR)/(PDSR) for Building 331 Garage; Revision 0 dated May 26, 2005. CDPHE received a copy of Department of Energy (DOE) letter regarding this RLCR/PDSR on June 7, 2005. CDPHE provided comments and received revisions to this RLCR/PDSR. Based on the information contained in the RLCR/PDSR, with revisions, CDPHE is hereby concurring with the determination that Building 331 Garage is a Type 2 Facility. CDPHE is also approving this PDSR, as revised, for Building 331 Garage.

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE  
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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<b>IA A INFO</b> 07/01/1994 0 Pages PRELIM	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	CPI 94-006; SW-A-001193 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: Eighth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), April 1, 1994 through June 30, 1994: Id. 300-713, Caustic Spill of Building 331. One of two cups of a liquid characterized as a hazardous waste due to corrosivity leaked from a trash compactor truck onto pavement north of B331. The spill was identified when a green liquid was observed to be leaking from a parked truck onto the asphalt outside of the Garage. The location of this spill is shown on Figure 1 following this narrative as well as the Potential Area of Concern (PAC) map in Section 4.0. Its color and smell, as Mariko, a caustic detergent, identified the green liquid. Measurements determined the pH to be 13.28, which classified the material as being a hazardous waste due to corrosivity (D002 waste). After the leak was identified, a bucket was placed under the truck to capture the remaining liquid that was leaking from the truck.
<b>IA A INFO</b> 03/01/2001 0 Pages PUBLIC	YES, ROUTINE (Ref: IA-A-000752, IASAP) <u>Author(s)</u> NOT INDICATED	<u>Recipient(s)</u> NOTE TO FILE	Information Only Entry: IA Group 300-2 consists of: Under Building Contaminant UBC 331: Maintenance; Lithium Metal Destruction Site (Operable Unit OU13, Individual Hazardous Substance Site IHSS 134, 300-134(S))
<b>IA A INFO</b> 02/02/2002 0 Pages PUBLIC	YES, ROUTINE Ref: IA-A-001199, RCLR <u>Author(s)</u> RISS, D&D GROUP	<u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: RISS Facility Characterization Historical Site Assessment (HSA) Report, February 2002. Built in 1953, Building 331 is the Fire Station and Vehicle Maintenance Garage. Rooms 113, 114, 115, 116, and 117 were used from 1953 to 1968 as a small metallurgical R&D laboratory, which handled some depleted Uranium material. Building 331 had had occasional small spills from gasoline, diesel, oils, hydraulic fluids and antifreeze. These spills were normally cleaned using an absorbent and the used absorbent properly disposed of. The tanks for the old filling station have been cleaned and foamed in place in 1996.

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE  
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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<b>IA A INFO</b> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Information Only Entry: Property Id. 331 - Fire Station, Vehicle Maintenance Garage, and Offices RISS D&D 331, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type: N/A
<b>IA A INFO</b> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. TK-5A - Storage Tank (Diesel Blend) (replacement for UST 5/tank 101) (N of 331) RISS D&D TK-5A, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A
<b>IA A INFO</b> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. TK-6A - Storage Tank (Diesel Blend) (replacement for UST 6/tank 102) (N of 331, N-1) RISS D&D TK-6A, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A
<b>IA A INFO</b> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. TK-7A - Storage Tank (Gasoline) (replacement for UST 7/tank 104) (N of 331, N-2) RISS D&D TK-7A, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A
<b>IA A INFO</b> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. TK-8A - Storage Tank (Gasoline) (replacement for UST 8/Tank 103) (N of 331, N-3) RISS D&D TK-8A, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE  
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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<b>IA A INFO</b> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	<u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 035 - Ethanol Tank 5A, NDT 1932 (north of 331-fuel island) RISS D&D Tank 035, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A
<b>IA A INFO</b> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	<u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 038 - Diesel Tank 5B, NDT 1931 (north of 331-fuel island) RISS D&D Tank 038, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3; Facility Area: 1-3-5-9, Facility Type N/A
<b>IA A INFO</b> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	<u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 041 - Diesel Tank 6A, NDT 1930 (north of 331-fuel island) RISS D&D Tank 041, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A
<b>IA A INFO</b> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	<u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 042 - Unleaded Gas Tank 7A, NDT 1934 (north of 331-fuel island) RISS D&D Tank 042, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A
<b>IA A INFO</b> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	<u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 044 - Unleaded Gas Tank 8A, NDT 1933 (north of 331-fuel island) RISS D&D Tank 044, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A

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<u>IA A INFO</u> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 101 - Diesel Storage Tank, foamed in place (north of 331) RISS D&D Tank 101, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A
<u>IA A INFO</u> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 102 - Diesel Storage Tank, foamed in place (north of 331) RISS D&D Tank 102, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A
<u>IA A INFO</u> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 103 - Gasoline Storage Tank, foamed in place (north of 331) RISS D&D Tank 103, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A
<u>IA A INFO</u> 02/04/2002 0 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. Tank 104 - Gasohol Tank - foamed in place (north of 331) RISS D&D Tank 104, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A
<u>IA A INFO</u> 02/04/2002 Pages PRELIM	<u>Author(s)</u> DELLAGUARDIA, GARY	N/A <u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. TK-5B - Storage Tank (Diesel Blend) (replacement for UST 5/tank 101) (N of 331, N-1A) RISS D&D TK-5B, RISS Area: 3; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-3, Facility Area: 1-3-5-9, Facility Type N/A

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<b>IA A INFO</b> 04/14/2003 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	03-DOE-00448; 00378-RF-03 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: Reconnaissance Level Characterization Report (RLCR) Buildings 331FD (Fire Department) and C331, April 14, 2003; Historical Site Assessment (HSA) Report, February 2002 - Building 331 is the Fire Station and Vehicle Maintenance Garage. This facility was constructed in 1953 and has had several additions. RFETS vehicles and equipment with small engines are maintained in the Building 331 garage. Occasionally spills of gasoline, oil, and antifreeze occur and are cleaned-up using an absorbent. This absorbent waste is disposed of in accordance with waste operations guidelines. Used antifreeze, oils, and lead-acid batteries are sent off site for recycle. Rooms 113, 114, 115, 116, and 117 were used from 1953 to 1968 as a small metallurgical R&D laboratory, which handled some depleted Uranium material. This lab was stripped out and converted to a storage and work area for the garage in 1968. An old sanitary drain, which was covered with a steel plate, has the following label: "Radioactive contamination in sanitary drain, 3-21-77" still remains in Rm. 114. Building 331 has no process waste lines. The Fire Department portion of 331 is used to house fire equipment and trucks, as well as office space and off-shift living quarters for the RFETS firemen.
<b>SW A 004355</b> 07/01/2001 148 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> NOT INDICATED	<u>Recipient(s)</u> DISTRIBUTION	Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation dated July 2001. This draft addresses routine remediation of soil and associated debris at Individual Hazardous Substance Sites (IHSSs), Potential Areas of Concern (PACs), Under Building Contaminant (UBC) sites and other areas, as necessary.



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<b>SW A 004697</b> 12/13/2002 10 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> LEGARE, JOSEPH A.	02-DOE-01598; 00867-RF-02 <u>Recipient(s)</u> GUNDERSON, STEVE REHDER, TIMOTHY	Forwards the enclosed Map depicting exterior building survey results and a matrix of exterior Pre-Demolition Survey (PDS) results for approval.
<b>SW A INFO</b> 01/01/1992 0 Pages PUBLIC	YES, ROUTINE N/A; SW-A-000189 <u>Author(s)</u> NOT INDICATED	<u>Recipient(s)</u> FILE	Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 300 Area is located in the northwest corner of the RFP. Some of the buildings (including Buildings 371, 373, and 374) are located within the Protected Area (PA). The more important buildings in this area are: B331, which contains the vehicle maintenance garage and the Fire Department. At one time a small section of this building was used for research and development using depleted Uranium. B333 is the Paint Shop, which houses painting and related operations at the RFP. B334 contains facilities for industrial maintenance activities such as electrical work, carpentry, sheet metal work, machining and welding. B335 is used for fire extinguisher servicing and training. B367 is currently used as a storage shed for heaters and lights. It was used in the past as a storage building for waste cans, pesticides, fertilizers and other chemicals. B371 houses production support processes that include residue repackaging, and analytical laboratory and standards preparation and inspection. B373 is a water-cooling tower and pump house. Water is pumped from B371 and 374 for cooling. B374 is the main process water treatment facility at the RFP.
<b>SW A INFO</b> 01/01/1992 0 Pages PUBLIC	YES, ROUTINE PAC 300-134; SW-A-000189 <u>Author(s)</u> NOT INDICATED	<u>Recipient(s)</u> FILE	Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 300 Area: Lithium Metal Destruction Site. Lithium scrap disposal was conducted by the Fire Department in an area north of Building 331 under what is now B335. The use of this location for disposal of lithium on the ground was discontinued in 1966;

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<b>SW A INFO</b>	YES, ROUTINE	PAC 300-181; SW-A-000189	Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 300 Area: Building 334 Cargo Container Area. This storage area was located outside B334 and consisted of one cargo container with an area of 160 square feet. Although it had the capacity to hold up to eighteen drums, the maximum number of drums stored in the container was seven. No berms surround the area but a collection pan was located in the bottom of the cargo container. The container and drums have been removed from this area. Wastes stored in the container included machine oils, solvents, machine coolants and possibly low-level radioactive wastes. While in use, the storage container was monitored weekly on the inside and outside. No documentation of spills or leaks was found in relationship to this unit. According to the Closure Plan, there is no visual evidence of a release to the environment.
01/01/1992	<u>Author(s)</u>	<u>Recipient(s)</u>	
0 Pages	NOT INDICATED	FILE	
PUBLIC			